

Product



No. 1 Position

Pneumatic endless rotation possible

Product Features

Unique Selling Points:

- ✓ Just one drive ring is turning, therefore a large fixed center part is possible

Product features:

- ✓ Highly flexible actuation (cycle to the left or right or alternate is possible)
- ✓ Compact design – easy assembly
- ✓ Rigid design

- ✓ Available as of November 2010

- ✓ Price on request

Market and Competitors

Key Competitors

- ✓ Festo
DHTB (4 sizes): It can be compared with the third size of Festo. The other two are comparable with the two smaller sizes.
- ✓ Mader
RSE (4 sizes): Mader has no uniform concept and layout of sizes

Cost Effectiveness/ Customer Benefits

- ✓ Cycle to the left or right or alternate is adjustable with the control unit. Allows absolute flexibility to the operator for his application
- ✓ High damper performance due to the use of hydraulic shock absorbers for the use of large rotary tables
- ✓ Large fixed center part for simple addition of further components
- ✓ Two locking bolts, therefore the drive ring is absolutely free of scope
- ✓ Spacers for modification of the angle to be set to 4, 6 and 12 steps, are available for fast modification in case of changing requirements
- ✓ Center bore for media feed-through for supply of additional components

Technical Data/ Functions

Technical Data:

- ✓ Sizes 60 .. 87
- ✓ Pitch 4 .. 12
- ✓ Torque 1,2 Nm .. 3 Nm
- ✓ Maximum mass moment of inertia 0.03 kgm² .. 0.08 kgm²
- ✓ Repeat accuracy 0.06° .. 0.09°

Function

The drive piston moves after pressure actuation of the face side straightforward into the bore and turns the cycle ring via the laterally attached gear. Then the locking piston is actuated, the cycle ring is indexed and releases the drive piston for the return stroke.

Complementary Products:

- ✓ Valves
- ✓ Linear Modules LM, KLM, CLM
- ✓ Pick & Place Units PPU-P, PPU-E

Industries and Application

The RST-P convinces in the following industries:

- ✓ Electronics assembly
- ✓ Assembly and handling technology
- ✓ Leisure time/ household goods
- ✓ Medical industries

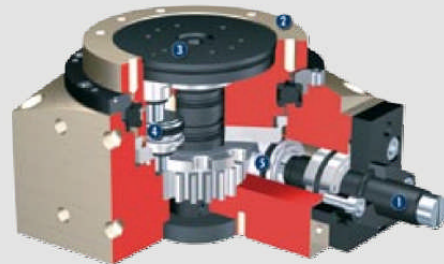
Applications:

- ✓ Assembly of valves

Additional information

Cross Section

Funktionsschnittbild / Function cross section



- | | |
|--|-------------------------------------|
| ① Endlagendämpfung | ① End position damping |
| ② Antriebsring | ② Driving ring |
| ③ Feststehendes Mittelteil mit Mittenbohrung | ③ Fixed centerpiece with centerbore |
| ④ Verriegelungskolben | ④ Locked piston |
| ⑤ Antriebskolben | ⑤ Driving piston |

1. End position damping
2. Drive ring
3. Fixed centerpiece with centerbore
4. Locking piston
5. Driving piston